

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_D\Data\FD041824AR\
 Data File : FD047529.D
 Signal(s) : FID2B.ch
 Acq On : 18 Apr 2024 13:40
 Operator : YP/AJ
 Sample : 20 PPM AROMATIC HC STD
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 FID_D
 ClientSampleId :
 20 PPM AROMATIC HC STD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/19/2024
 Supervised By :Ankita Jodhani 04/19/2024

Integration File: autoint1.e
 Quant Time: Apr 19 04:32:54 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_D\methods\Aromatic EPH 040224.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 01 16:48:10 2024
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18µm

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
4) S 2-Bromonaphthalene (S...	7.461	3062128	20.482 ug/ml
Spiked Amount 50.000		Recovery =	40.96%
6) S 2-Fluorobiphenyl (SURR)	8.313	2003422	20.504 ug/ml
Spiked Amount 50.000 Range 0 - 131		Recovery =	41.01%
11) S ortho-Terphenyl (SURR)	11.351	3528445	20.583 ug/ml
Spiked Amount 50.000		Recovery =	41.17%
Target Compounds			
1) T 1,2,3-Trimethylbenzen...	4.275	3332743	21.091 ug/ml
2) T Naphthalene (C11.7)	5.800	3396175	20.754 ug/ml
3) T 2-Methylnaphthalene (...)	6.848	3388631	20.602 ug/ml
5) T Acenaphthylene (C15.06)	8.116	3037020	20.121 ug/mlm
7) T Acenaphthene (C15.5)	8.412	3277278	20.462 ug/ml
8) T Flouorene (C16.55)	9.190	3140651	20.301 ug/ml
9) T Phenanthrene (C19.36)	10.579	3053096	20.521 ug/ml
10) T Anthracene (C19.43)	10.654	2196355	16.149 ug/ml
12) T Fluoranthene (C21.85)	12.384	3066540	20.744 ug/ml
13) T Pyrene (C20.8)	12.678	2980830	20.654 ug/ml
14) T Benzo[a]anthracene (C...	14.545	2683851	20.408 ug/ml
15) T Chrysene (C27.41)	14.586	2882091	20.439 ug/ml
16) T benzo[b]fluoranthene ...	16.091	2932905	21.022 ug/ml
17) T Bnezo[k]fluoranthene ...	16.122	2989478	21.493 ug/ml
18) T Benzo[a]pyrene (C31.34)	16.466	2810958	20.473 ug/ml
19) T Indeno[1,2,3-cd]pyren...	17.828	2647467	19.627 ug/ml
20) T Dibenz[a,h]anthracene...	17.868	3010614	22.401 ug/ml
21) T Benzo[g,h,i]perylene ...	18.080	2810013	20.246 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

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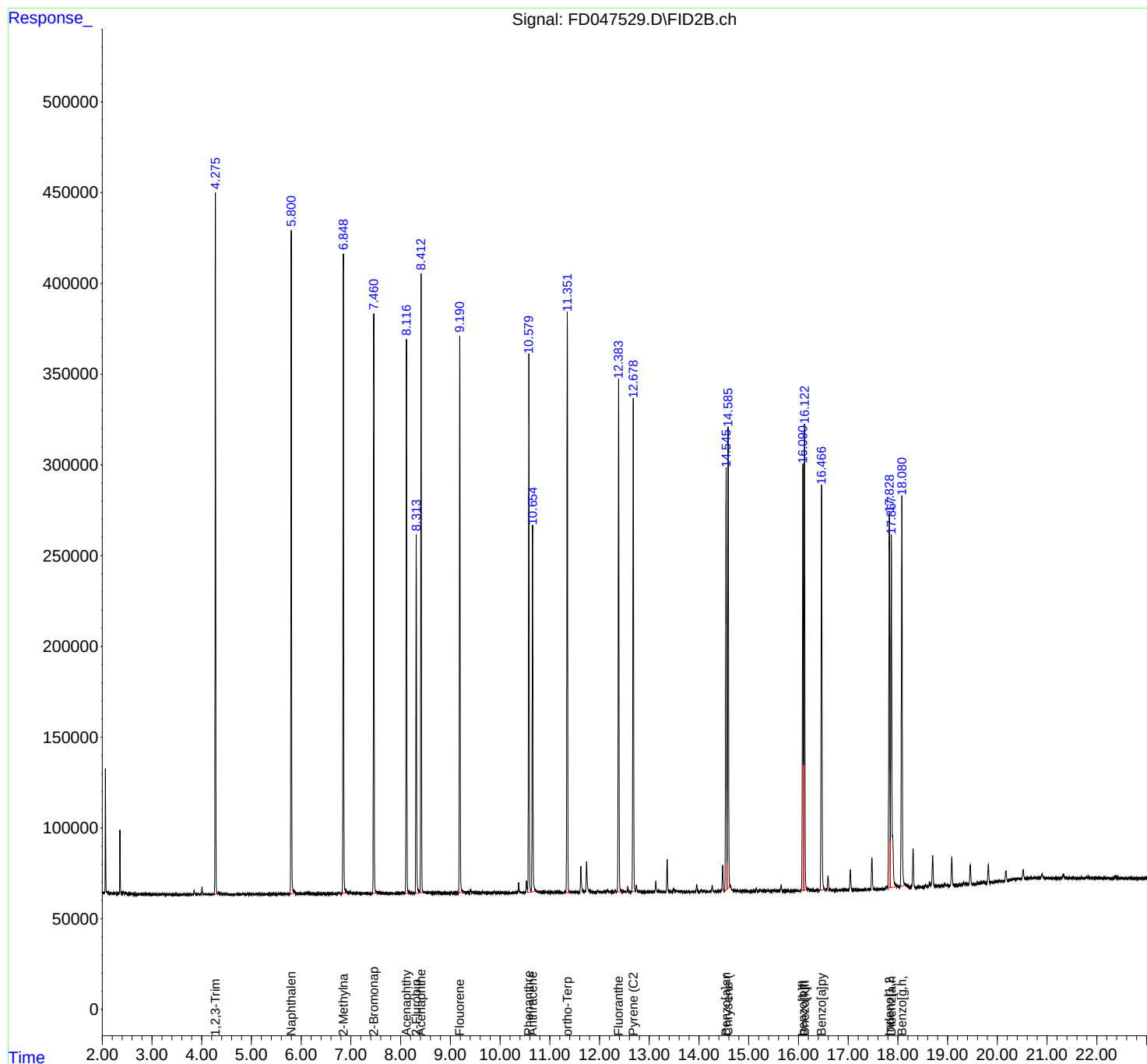
Instrument :
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20 PPM AROMATIC HC STD

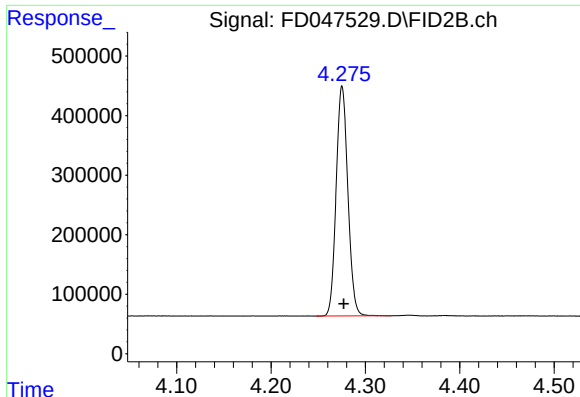
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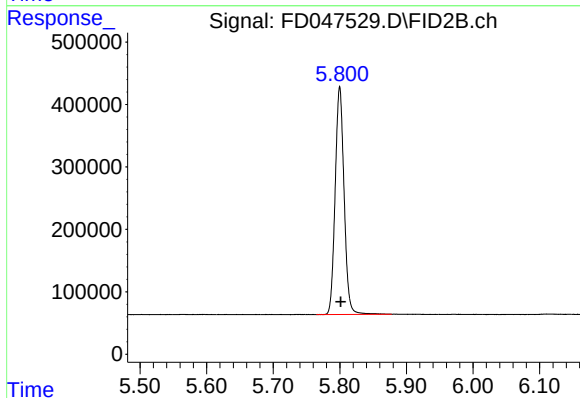
#1 1,2,3-Trimethylbenzene (C10.1)

R.T.: 4.275 min
Delta R.T.: -0.002 min
Response: 3332743
Conc: 21.09 ug/ml

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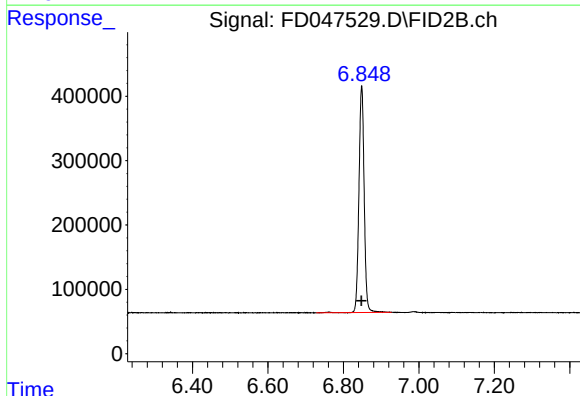
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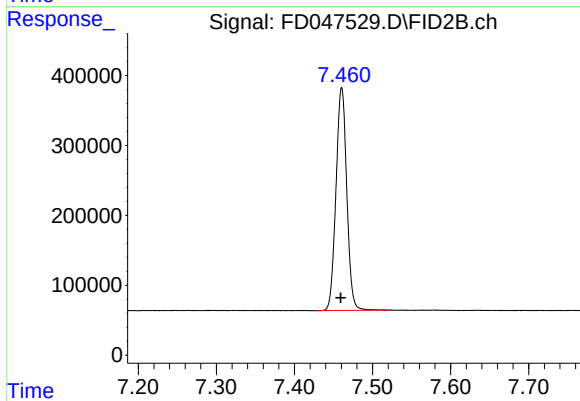
#2 Naphthalene (C11.7)

R.T.: 5.800 min
Delta R.T.: -0.001 min
Response: 3396175
Conc: 20.75 ug/ml



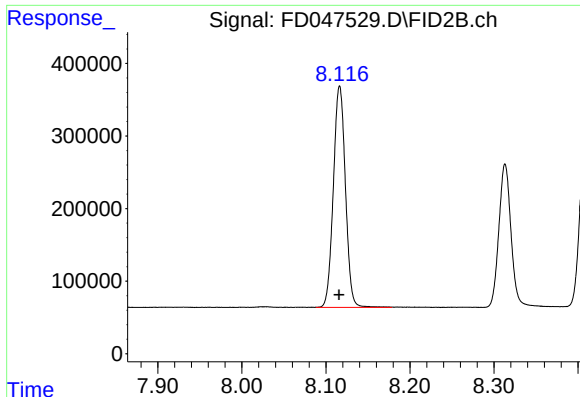
#3 2-Methylnaphthalene (C12.89)

R.T.: 6.848 min
Delta R.T.: 0.000 min
Response: 3388631
Conc: 20.60 ug/ml



#4 2-Bromonaphthalene (SURR)

R.T.: 7.461 min
Delta R.T.: 0.001 min
Response: 3062128
Conc: 20.48 ug/ml



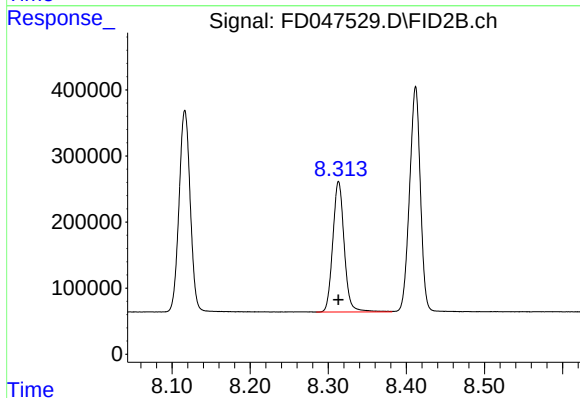
#5 Acenaphthylene (C15.06)

R.T.: 8.116 min
Delta R.T.: 0.000 min
Response: 3037020
Conc: 20.12 ug/ml

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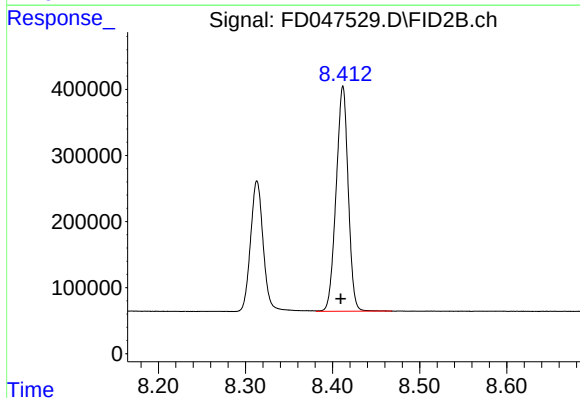
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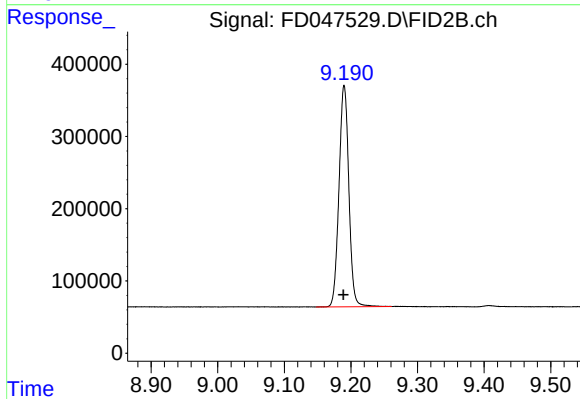
#6 2-Fluorobiphenyl (SURR)

R.T.: 8.313 min
Delta R.T.: 0.000 min
Response: 2003422
Conc: 20.50 ug/ml



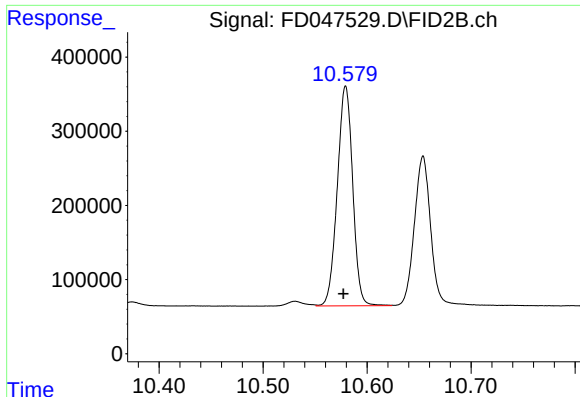
#7 Acenaphthene (C15.5)

R.T.: 8.412 min
Delta R.T.: 0.002 min
Response: 3277278
Conc: 20.46 ug/ml



#8 Flouorene (C16.55)

R.T.: 9.190 min
Delta R.T.: 0.001 min
Response: 3140651
Conc: 20.30 ug/ml



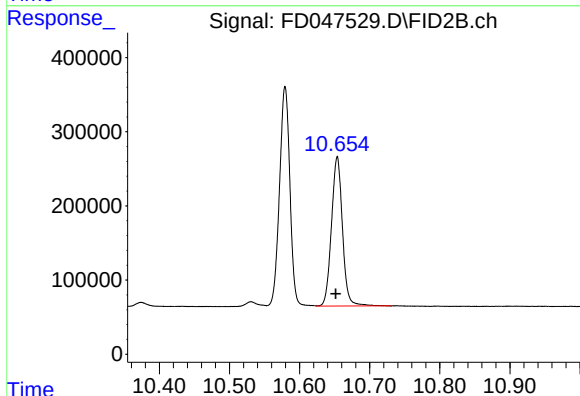
#9 Phenanthrene (C19.36)

R.T.: 10.579 min
Delta R.T.: 0.002 min
Response: 3053096
Conc: 20.52 ug/ml

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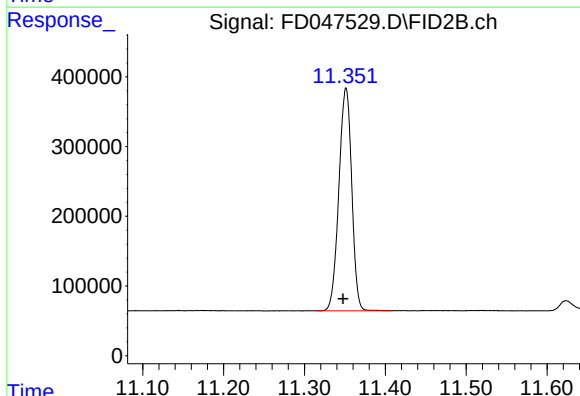
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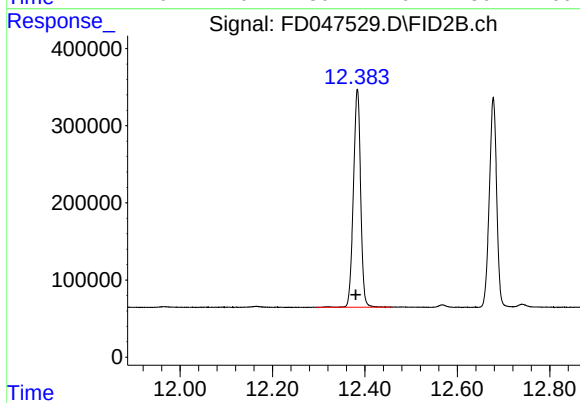
#10 Anthracene (C19.43)

R.T.: 10.654 min
Delta R.T.: 0.002 min
Response: 2196355
Conc: 16.15 ug/ml



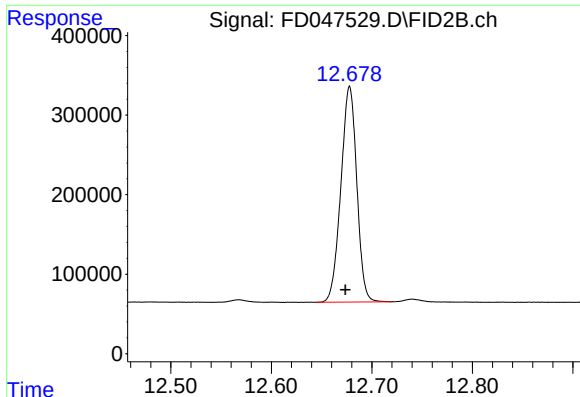
#11 ortho-Terphenyl (SURR)

R.T.: 11.351 min
Delta R.T.: 0.003 min
Response: 3528445
Conc: 20.58 ug/ml



#12 Fluoranthene (C21.85)

R.T.: 12.384 min
Delta R.T.: 0.004 min
Response: 3066540
Conc: 20.74 ug/ml



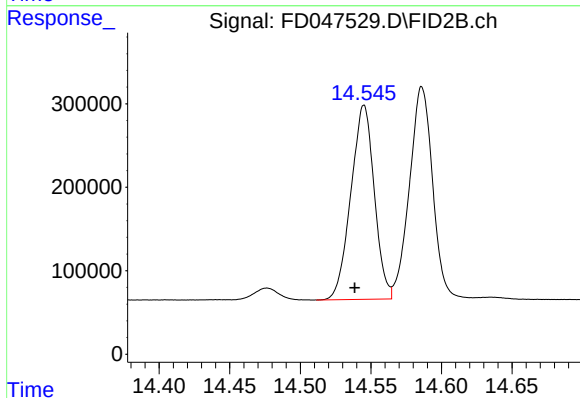
#13 Pyrene (C20.8)

R.T.: 12.678 min
Delta R.T.: 0.004 min
Response: 2980830
Conc: 20.65 ug/ml

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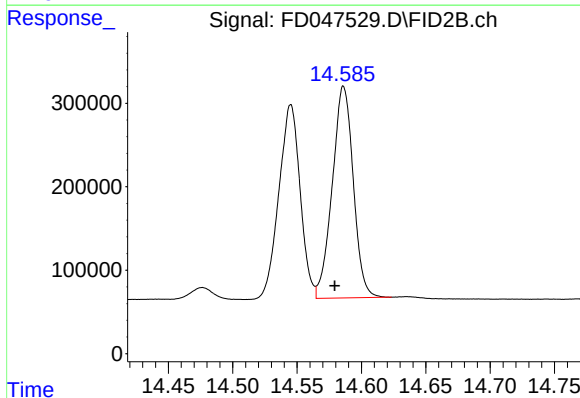
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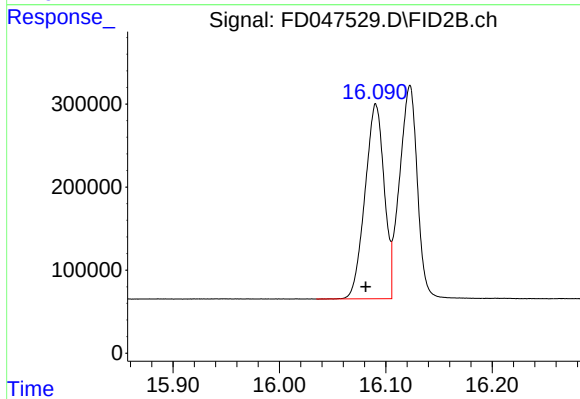
#14 Benzo[a]anthracene (C26.37)

R.T.: 14.545 min
Delta R.T.: 0.006 min
Response: 2683851
Conc: 20.41 ug/ml



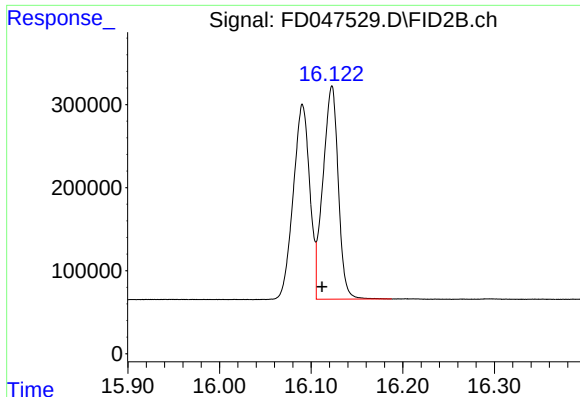
#15 Chrysene (C27.41)

R.T.: 14.586 min
Delta R.T.: 0.007 min
Response: 2882091
Conc: 20.44 ug/ml



#16 benzo[b]fluoranthene (C30.41)

R.T.: 16.091 min
Delta R.T.: 0.009 min
Response: 2932905
Conc: 21.02 ug/ml



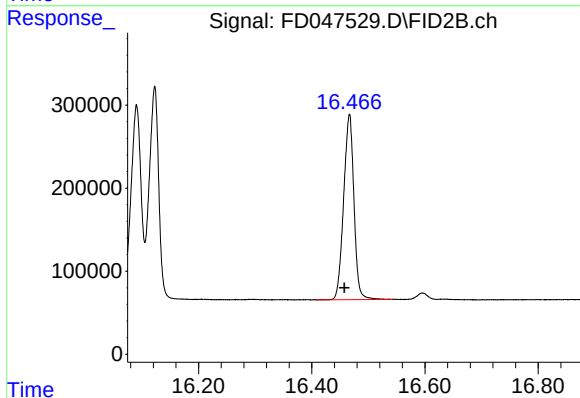
#17 Bnezo[k]fluoranthene (C30.14)

R.T.: 16.122 min
Delta R.T.: 0.010 min
Response: 2989478
Conc: 21.49 ug/ml

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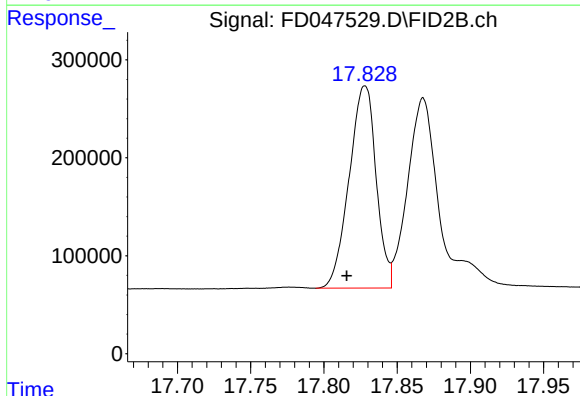
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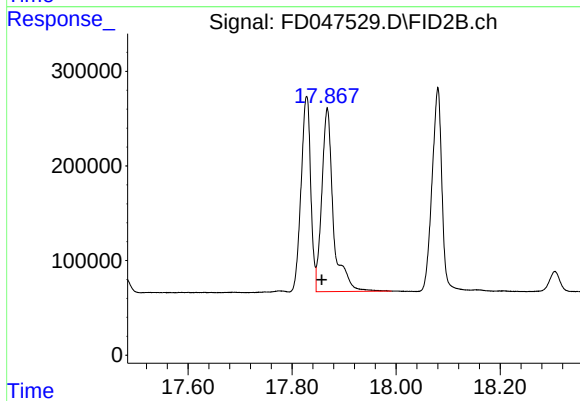
#18 Benzo[a]pyrene (C31.34)

R.T.: 16.466 min
Delta R.T.: 0.009 min
Response: 2810958
Conc: 20.47 ug/ml



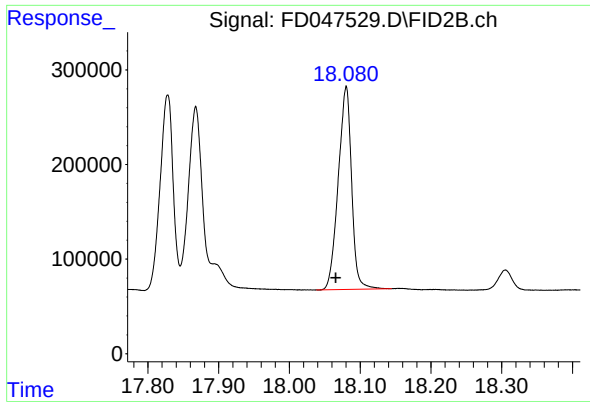
#19 Indeno[1,2,3-cd]pyrene (C35.01)

R.T.: 17.828 min
Delta R.T.: 0.012 min
Response: 2647467
Conc: 19.63 ug/ml



#20 Dibenz[a,h]anthracene (C30.36)

R.T.: 17.868 min
Delta R.T.: 0.010 min
Response: 3010614
Conc: 22.40 ug/ml



#21 Benzo[g,h,i]perylene (C34.01)

R.T.: 18.080 min
Delta R.T.: 0.014 min
Response: 2810013
Conc: 20.25 ug/ml

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